

CEM AT COP27

7-18 November in Sharm El-Sheikh, Egypt



Dear CEM Community,

What an incredible effort by so many of our CEM workstreams at this year's COP27, and just weeks after the Global Clean Energy Action Forum (GCEAF) in Pittsburgh! Once again, the CEM community has outdone itself and shown its determination to deliver on the ambitions and promises of CEM3.0 and keep the momentum of GCEAF going.

Many of the 22 CEM workstreams were prominently featured and actively engaged throughout the entire two weeks in Sharm El-Sheikh. More than nine of the CEM workstreams hosted their own side events at COP, including CCUS, EPI, EVI, IDDI, LTES, Marine Hubs, RGEI, SEAD, and Transforming Solar. And while there are too many great accomplishments to summarize them all in one single newsletter, here are just a few of our favourite highlights from this year's COP:

- ✓ The US and 8 other countries join the **Drive to Zero campaign**,
- ✓ Sweden and Japan join the **IDDI initiative**,
- ✓ Turkey and the EBRD join the **SEAD Initiative** (completing the overall **G20** representation in our CEM workstreams),
- ✓ Sweden and the Netherlands join the **Zero Emissions Government Fleet Declaration**; and
- ✓ Panama, Uruguay and Norway join the **CEM Marine Hub Initiative**.

COP27 demonstrated once again that CEM continues to drive ambitions for a global clean energy transition and is ready to sustain and carry forward the momentum and enthusiasm that was spared at GCEAF in September. We leave the COP encouraged and excited, and sincerely thank everyone for their hard work and accomplishments in bringing us one step closer towards our shared goal of net-zero.

Thank you!

The CEM Secretariat

**CEM ANNOUNCEMENTS AT
COP27**



Announcement #1

USA, UKRAINE, IRELAND, ARUBA, BELGIUM, CROATIA, CURAÇAO, DOMINICAN REPUBLIC, LIECHTENSTEIN, LITHUANIA SIGN CEM'S GLOBAL MOU, SUPPORT PATH TO 100% NEW TRUCK AND BUS SALES BY 2040!

The US along with governments from Aruba, Belgium, Croatia, Curaçao, Dominican Republic, Ireland Liechtenstein, Lithuania and Ukraine announced that they are joining the world's most ambitious agreement to address transportation-related greenhouse gas emissions - the **CEM Global Memorandum of Understanding on zero-emission medium and heavy-duty vehicles (Global MOU)**. First introduced at COP26, the Global MOU calls for countries to sell 100% new zero-emission medium and heavy-duty vehicles (MHDVs) by 2040 at the latest, with an interim target of at least 30% new sales by 2030. So far 26 governments have signed up to this pledge: Aruba, Austria, Belgium, Canada, Chile, Croatia, Curaçao, Denmark, Dominican Republic, Finland, Ireland, Liechtenstein, Lithuania, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Scotland, Switzerland, Turkey, Ukraine, UK, US and Uruguay.

In addition to these 26 signatory governments, another 70 leading industry participants in the Global Commercial Vehicle Drive to Zero program are committing to achieving these shared goals over the next decade to help decarbonize this struggling sector.

Read the press release [here](#)

"We have to work together across oceans and borders to meet our clean energy goals. This global partnership will leverage the billions of dollars in clean transportation investments provided by President Biden's Agenda to drive technological innovation, lower vehicle costs, and reduce transportation emissions."

**U.S. Secretary of Energy
Jennifer M. Granholm**





Announcement #2

Japan and Sweden join the Industrial Deep Decarbonization Initiative (IDDI)!

At COP27, Japan and Sweden announced they will join Canada, Germany, India, the UK, the UAE, Saudi Arabia and the US in the CEM Industrial Deep Decarbonization Initiative (IDDI). Industry is one of the largest emitters of greenhouse gases, with an estimated 34 percent of annual greenhouse gas emissions coming from the industrial sector. Steel and cement (which is also used to make concrete) account for more than half of these industrial emissions. The IDDI aims to encourage demand for lower-carbon versions of these common building materials through greener public procurement. IDDI is an international coalition of public and private organizations working to decarbonize heavy industry, starting with the steel, cement and concrete sectors. Read the press release from the Swedish Ministry of Enterprise and Innovation [here](#).

“Sweden and Swedish companies are leading the transition to fossil-free steel and have a key role to play. Industry accounts for 34 per cent of global greenhouse gas emissions, and steel and cement account for more than half of that. We can join forces to advance the clean energy transition through global cooperation.”

**Swedish Minister for Energy,
Business and Industry,
Ebba Busch**



“Industrial decarbonization is a common challenge to all countries, hence the need for a coordinated approach. That’s why Japan has made the decision to join the CEM Industrial Deep Decarbonization Initiative.”

**Shinichi Kihara, Deputy Director
General of Technology and
Environment, Japan’s Ministry of
Economy, Trade and Industry**



Announcement #3

Turkiye and EBRD join the CEM SEAD Initiative!

Turkey and the EBRD announced that they will join the CEM SEAD Initiative to address urgent global energy challenges and promote the production, purchase and use of energy-efficient appliances, lighting and equipment in buildings worldwide. With Turkey joining SEAD, all G20 countries are either members or participants in the Clean Energy Ministerial Conference. Learn more about the SEAD Initiative [here](#).



Announcement #4

Panama, Uruguay and Norway join the CEM Marine Hub Initiative!

Since the successful launch at our GCEAF Ministerial Meeting in Pittsburgh, three more governments have joined a cross-sector initiative to speed up the supply of green shipping fuels at port hubs, it was revealed today at the COP27 climate talks in Egypt.

Panama, Uruguay, and Norway have signed up to the Clean Energy Marine Hub Initiative (CEM-Hubs) joining the UAE and Canada which announced their involvement at the Clean Energy Ministerial in Pittsburgh earlier this year. The public-private initiative aims to de-risk investment in and accelerate the production, export and import and commercial deployment of low-carbon fuels which are currently two to three times more expensive than fossil fuels. CEM-Hubs is coordinated with the support of the International Chamber of Shipping (ICS) and the International Association of Ports and Harbours (IAPH), plus the Clean Energy Ministerial (CEM). [Click here](#) for more information.

CEM IN ACTION

Event ISA Pavilion

Transforming Solar hosts Event on Building Resilient Global Solar Supply Chains

Tuesday, 8 November - Following its successful launch in Pittsburgh, the Transforming Solar Workstream hosted an event at COP27 to share policy ideas and potential pathways for countries and regions to scale up their local/regional solar supply chain capacity and to foster collaboration in building connected and resilient supply chains. The two sessions of the event offered deep insight into building robust global solar supply chains and production examples from around the world. The event featured speakers from IRENA, Becquerel Institute, NSEFI - National Solar Energy Federation of India, IEA, RCT Solutions GmbH, World Resources Institute, Asia Society, Council on Energy, Environment and Water (CEEW), SolarPower Europe, TERI - The Energy and Resources Institute, Waaree Group, SMA Solar Technology AG, IREDA Ltd., 5B, Associação Brasileira de Energia Solar Fotovoltaica - ABSOLAR. For more information on the CEM Transforming Solar Workstream, [click here](#).



Event Climate Registry Pavilion

EPI discusses findings from LinkedIn's upcoming Green Skills Report

Wednesday, 9 November - The CEM EPI Initiative co-hosted an Event on Green Skills with LinkedIn to discuss LinkedIn's research on green skills, the future of skills and career transitions, and LinkedIn's upcoming report on career pathways. Following a brief presentation by Sue Duke, LinkedIn's Vice President and Global Head of Public Policy and Economic Graph, attendees engaged in an interactive discussion about how their experiences align with the data, what they are seeing in their country, and what future findings would be helpful to inform their green transition strategies. Read more about EPI [here](#).



Event RCrEEE Pavilion

IDDI organises Event on Advancing Green Steel

Thursday, 10 November - IDDI hosted an event at the COP to discuss the challenges and implications of green steel standards, as well as the role of developing countries, green financing, capacity building and international cooperation. Moderated by Scott Steedman, director general of standards at the British Standards Institution (BSI), the event featured several high-level speakers, including Jauad ElKharraz, executive director of the Regional Centre for Renewable Energy and Energy Efficiency; Anne van Ysendyck, Vice President and Head of Government Affairs and Environment at ArcelorMittal; Rana Ghoneim, Head of Energy Systems and Industrial Decarbonization at UNIDO; Violeta Gonzalez, Advisor to the DDG at the WTO, Annie Heaton, CEO of Responsible Steel, and Martin Pei, EVP and CTO, SSAB. To learn more about IDDI, [click here](#).



Event Breakthrough Agenda

Breakthrough Agenda launches new package of collaborative actions for next year's COP28

Friday 11, November - CEM participated in several Breakthrough Agenda events held during COP27 to support CEM members who are signatories to the Breakthrough

Agenda. COP27 saw the launch of a package of 25 new collaborative actions to be implemented by COP28 to accelerate decarbonization in five key areas: Energy, Road Transport, Steel, Hydrogen and Agriculture. Under the Breakthrough Agenda, countries representing more than 50% of global GDP set out sector-specific 'Priority Actions' to decarbonise power, transport and steel, scale up low-emission hydrogen production and accelerate the shift to sustainable agriculture by COP28. Read more about the Priority Actions [here](#).



Event UK Pavilion

SEAD hosts event on digitalisation and smart, super-efficient appliances to reduce energy consumption

Friday 11, November - The Super-Efficient Equipment and Appliance Deployment (SEAD) Initiative hosted an event highlighting the role of digitisation and finance and the impact that smart, super-efficient appliances can play in reducing energy consumption and increasing savings for consumers. Given that standards and labelling programmes have been the backbone of the most successful appliance efficiency policies, these can help ease the strain on budgets in times of inflation and high energy prices. During the event, governments were asked to describe the necessary policy packages and programmes and how initiatives like SEAD can help accelerate the transition towards clean energy through appliance efficiency. Learn more about SEAD [here](#).



Event India Pavilion

CEM speaks at the India-hosted panel on decarbonisation of the

Indian steel industry

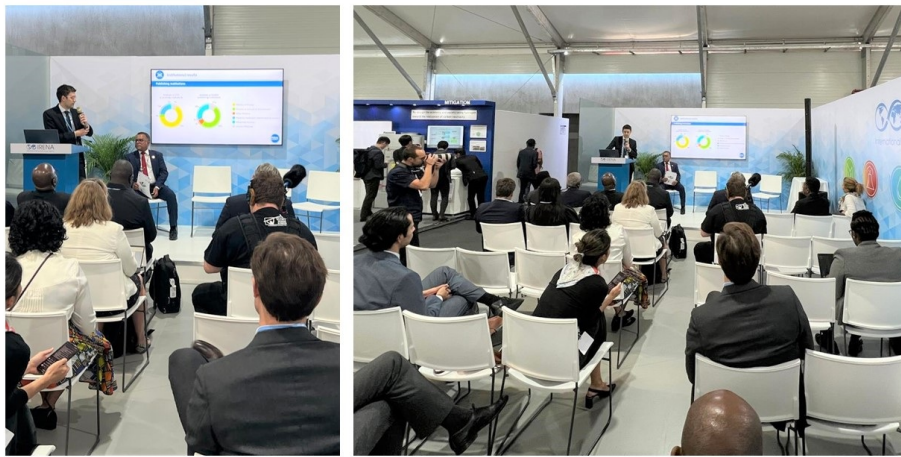
Friday 11, November - The Indian Ministry of Steel invited CEM to speak at an event showcasing the decarbonisation efforts of various Indian steel producers such as Tata Steel, JSW and Kalyani Steel. The Deputy Head of CEM, Dr Praseon Agarwal, was invited to join representatives from across the Indian steel sector (from government, industry and philanthropy) to discuss the taxonomy of green steel, the need for steel emissions scoping, the need for a robust monitoring, reporting and verification system, and the various needs and support requirements of small and large steel producers and building a financial ecosystem for green steel. UNIDO also contributed to the session and presented the work of the CEM IDDI initiative.



Event IRENA Pavilion

LTES presents their forthcoming Report on medium- and long-term climate policy modelling

Monday 14th November - The Long-term Scenarios for the Energy Transition (LTES) initiative hosted a session at COP27 on "*Energizing climate action: effective approaches to foster the planning and implementation of medium- and long-term climate and energy plans through collaborative actions in the energy sector*". Daniel Russo presented IRENA's findings from the upcoming LTES report, which highlights the challenges and opportunities in planning and implementing medium- and long-term climate policies and plans in conjunction with effective energy transition strategies. It also identifies ways to improve and implement NDCs, together with the development of long-term LEDs focusing on net-zero strategies. As part of a coherent approach to climate change mitigation and energy transition, representatives from governments and international/regional organisations shared experiences and lessons learned. Learn more about the LTES Initiative [here](#).



Event Korea Pavilion

EVI organizes Event on E-mobility and the role of batteries in delivering carbon neutrality in the transport sector

Monday 14th November - On behalf of the CEM Electric Vehicle Initiative (EVI), led by China and Canada, the IEA hosted an event at COP27 on electric mobility and the role of batteries in achieving carbon neutrality in transport. Electromobility is the most important tool for reducing carbon emissions from road transport and the decreasing cost of batteries needs to accelerate further so that large quantities of batteries will need to be produced in the near future. Expanding this key technology, requires cooperation between industry and government and between countries across the entire battery value chain. The event brought together representatives from industry and government to discuss their experiences with public-private and international collaboration and explore new ways to accelerate the development of the industry. Learn more about the EVI initiative [here](#).



Event UNFCCC Pavilion

GEIDCO invites CEM to speak at their high-level event on Global Carbon Neutrality

Tuesday, 15th November - CEM was invited to speak at the Global Carbon Neutrality event jointly organised by GEIDCO and UNFCCC. The event featured high-level speakers such as China's Special Envoy on Climate Change, UNDESA Under-Secretary General, Egyptian Minister of Electricity and Renewable Energy, and UNFCCC Deputy Executive Secretary. The CEM Deputy Head, Dr. Prason Agarwal, joined Dr. Angela Wilkinson,

Secretary General of WEC, Dr. Roland Roesch, Deputy Director of IRENA, Radia Sedaoui, Head of the Energy Division of UNESCWA and others to discuss the need for greater investment in electricity grids and timely deployment of technologies at scale, as well as the urgent need for innovative business models and long-term planning. GEIDCO coordinates the CEM Regional and Global Energy Interconnection Initiative (RGEI), [click here to learn more.](#)



Event CEM-Marine Hub

The Role of Digitalization and Smart, Super-efficient Appliances in reducing Energy Consumption

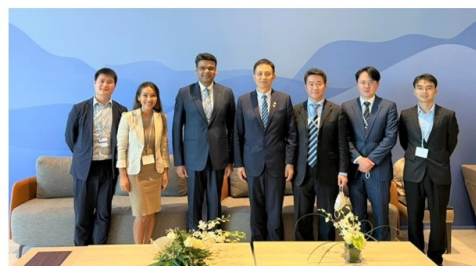
Tuesday 15th November - The CEM-Marine Hub Initiative invited CEM to speak at its Shipping in a Changing Energy System event, which focused on how changes in the global energy system are transforming the shipping sector - from ships to ports to fuel suppliers. The urgency of decarbonisation means that shipping will inevitably take a leading role as a user and enabler of low-carbon fuels. Dr Prasoan Agarwal, Deputy Director of CEM, spoke with prominent speakers from the Tyndall Centre, ICS, IRENA and MAN, as well as Dalhousie University's Blue Sky Maritime Coalition. Watch the full panel discussion [here](#). Learn more about the CEM-Marine Hub Initiative, click [here](#).

Event Marine Hubs Event, 10 Nov



PARTNER CONNECTIONS

As always, a highlight of CEM's presence at the COP was the many meetings and bilateral engagements with our core CEM community. We would like to express our sincere gratitude for the many bilateral discussions with our CEM members and partners. And for those we unfortunately missed, we hope there will be more opportunities to meet you in person soon!





CEM Secretariat

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